

## SEQUENCE LISTING

&lt;110&gt; Alnemri, Emad S.

<120> AN IAP BINDING PEPTIDE OR POLYPEPTIDE  
AND METHODS OF USING THE SAME

&lt;130&gt; 480140.465

&lt;140&gt; US

&lt;141&gt; 2001-08-24

&lt;160&gt; 18

&lt;170&gt; FastSEQ for Windows Version 4.0

&lt;210&gt; 1

&lt;211&gt; 1358

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; CDS

&lt;222&gt; (20) ... (739)

&lt;400&gt; 1

ggcgtccgcg cgctgcaca atg gcg gct ctg aag agt tgg ctg tcg cgc agc 52  
 Met Ala Ala Leu Lys Ser Trp Leu Ser Arg Ser  
 1 5 10

gta act tca ttc ttc agg tac aga cag tgt ttg tgt gtt cct gtt gtg 100  
 Val Thr Ser Phe Phe Arg Tyr Arg Gln Cys Leu Cys Val Pro Val Val  
 15 20 25

gct aac ttt aag aag cgg tgt ttc tca gaa ttg ata aga cca tgg cac 148  
 Ala Asn Phe Lys Lys Arg Cys Phe Ser Glu Leu Ile Arg Pro Trp His  
 30 35 40

aaa act gtg acg att ggc ttt gga gta acc ctg tgt gcg gtt cct att 196  
 Lys Thr Val Thr Ile Gly Phe Gly Val Thr Leu Cys Ala Val Pro Ile  
 45 50 55 *A V P E*

gca cag aaa tca gag cct cat tcc ctt agt agt gaa gca ttg atg agg 244  
 Ala Gln Lys Ser Glu Pro His Ser Leu Ser Ser Glu Ala Leu Met Arg  
 60 65 70 75  
*A*

aga gca gtg tct ttg gta aca gat agc acc tct acc ttt ctc tct cag 292  
 Arg Ala Val Ser Leu Val Thr Asp Ser Thr Ser Thr Phe Leu Ser Gln  
 80 85 90

acc aca tat gcg ttg att gaa gct att act gaa tat act aag gct gtt 340  
 Thr Thr Tyr Ala Leu Ile Glu Ala Ile Thr Glu Tyr Thr Lys Ala Val

95

100

105

95 tat acc tta act tct ctt tac cga caa tat aca agt tta ctt ggg aaa 388  
 Tyr Thr Leu Thr Ser Leu Tyr Arg Gln Tyr Thr Ser Leu Leu Gly Lys  
 110 115 120

105 atg aat tca gag gag gaa gat gaa gtg tgg cag gtg atc ata gga gcc 436  
 Met Asn Ser Glu Glu Asp Glu Val Trp Gln Val Ile Ile Gly Ala  
 125 130 135

125 aga gct gag atg act tca aaa cac caa gag tac ttg aag ctg gaa acc 484  
 Arg Ala Glu Met Thr Ser Lys His Gln Glu Tyr Leu Lys Leu Glu Thr  
 140 145 150 155

140 act tgg atg act gca gtt ggt ctt tca gag atg gca gca gaa gct gca 532  
 Thr Trp Met Thr Ala Val Gly Leu Ser Glu Met Ala Ala Glu Ala Ala  
 160 165 170

160 tat caa act ggc gca gat cag gcc tct ata acc gcc agg aat cac att 580  
 Tyr Gln Thr Gly Ala Asp Gln Ala Ser Ile Thr Ala Arg Asn His Ile  
 175 180 185

175 cag ctg gtg aaa ctg cag gtg gaa gag gtg cac cag ctc tcc cgg aaa 628  
 Gln Leu Val Lys Leu Gln Val Glu Glu Val His Gln Leu Ser Arg Lys  
 190 195 200

190 gca gaa acc aag ctg gca gaa gca cag ata gaa gag ctc cgt cag aaa 676  
 Ala Glu Thr Lys Leu Ala Glu Ala Gln Ile Glu Glu Leu Arg Gln Lys  
 205 210 215

205 aca cag gag gaa ggg gag gag cgg gct gag tcg gag cag gag gcc tac 724  
 Thr Gln Glu Glu Gly Glu Arg Ala Glu Ser Glu Gln Glu Ala Tyr  
 220 225 230

220 ctg cgt gag gat tga gggcctgagc acactgccct gtctccccac tcagtgggaa 779  
 Leu Arg Glu Asp \*

779 aagcaggggc agatgccacc ctgcccaggg ttggcatgac tgcgtgtgc acggagaagag 839  
 gccggcaggc tcggccctggc caatcaggcg agacgccttt gtgagctgtg agtgcctcct 899  
 gtgggtctcag gcttgcgtg gacctggttc ttggcccttg ggcactgcac cctgtttaac 959  
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 ttgggatgcc agttgtggca gggggagggg aacctgtcca gtttgtacga tttctttgtt 1199  
 tgtatattctg atgtgttctc tgatctgccc ccactgtcct gtgaggacag ctgaggccaa 1259  
 ggagtgaaaaa acctattact actaagagaa ggggtgcaga gtgtttacct ggtgtctca 1319  
 acaggactta acatcaacag gacttaacac agaaaaaaaaa 1358

&lt;210&gt; 2

&lt;211&gt; 40

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

<400> 2  
Ala Val Pro Ile Ala Gln Lys Ser Glu Pro His Ser Leu Ser Ser Glu  
1 5 10 15  
Ala Leu Met Arg Arg Ala Val Ser Leu Val Thr Asp Ser Thr Ser Thr  
20 25 30  
Phe Leu Ser Gln Thr Thr Tyr Ala  
35 40

<210> 3  
<211> 5  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (4)...(4)  
<223> Xaa = Arg, Gln or Gly

<400> 3  
Gln Ala Cys Xaa Gly  
1 5

<210> 4  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 4  
Met Lys Ser Asp Phe Tyr Phe  
1 5

<210> 5  
<211> 5  
<212> PRT  
<213> Homo sapiens

<400> 5  
Ala Val Pro Ile Ala  
1 5

<210> 6  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 6  
Ala Val Pro Ile Ala Gln Lys  
1 5

<210> 7  
<211> 30  
<212> PRT  
<213> Homo sapiens

<400> 7  
Ala Val Pro Ile Ala Gln Lys Ser Glu Pro His Ser Leu Ser Ser Glu  
1 5 10 15  
Ala Leu Met Arg Arg Ala Val Ser Leu Val Thr Asp Ser Thr  
20 25 30

<210> 8  
<211> 39  
<212> PRT  
<213> Homo sapiens

<400> 8  
Ala Val Pro Ile Ala Gln Lys Ser Glu Pro His Ser Leu Ser Ser Glu  
1 5 10 15  
Ala Leu Met Arg Arg Ala Val Ser Leu Val Thr Asp Ser Thr Ser Thr  
20 25 30  
Phe Leu Ser Gln Thr Thr Tyr  
35

<210> 9  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 9  
Met Lys Ser Asp Phe Tyr Phe Gln Lys  
1 5

<210> 10  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 10  
Thr Asp Ser Thr Ser Thr Phe Leu  
1 5

<210> 11  
<211> 35  
<212> PRT  
<213> Homo sapiens

<400> 11  
Ala Val Pro Ile Ala Gln Lys Ser Glu Pro His Ser Leu Ser Ser Glu  
1 5 10 15

Ala Leu Met Arg Arg Ala Val Ser Leu Val Thr Asp Ser Thr Ser Thr  
20 25 30  
Phe Leu Ser  
35

<210> 12  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 12  
Ile Glu Thr Asp Ala Val Pro Ile Ala  
1 5

<210> 13  
<211> 4  
<212> PRT  
<213> Homo sapiens

<400> 13  
Ala Val Pro Ile  
1

<210> 14  
<211> 4  
<212> PRT  
<213> Homo sapiens

<400> 14  
Ala Thr Pro Phe  
1

<210> 15  
<211> 4  
<212> PRT  
<213> Drosophila sp.

<400> 15  
Ala Val Ala Phe  
1

<210> 16  
<211> 4  
<212> PRT  
<213> Drosophila sp.

<400> 16  
Ala Val Pro Phe  
1

<210> 17  
<211> 4  
<212> PRT  
<213> *Mus musculus*

<400> 17  
Ala Val Pro Tyr  
1

<210> 18  
<211> 4  
<212> PRT  
<213> *Xenopus* sp.

<400> 18  
Ala Thr Pro Val  
1